

# **ABSTRACT**

A strength-ductility balance at a high temperature above 1000°C, particularly a high temperature above 1050°C is improved by rendering a chemical composition of Cr-based alloy into Cr: not less than 60 mass%, C+N: not more than 20 mass ppm, S: not more than 20 mass ppm, O: not more than 100 mass ppm, O as an oxide: not more than 50 mass ppm, and the remainder being Fe and inevitable impurities.